



SEQUENCE LISTING

<10> Lukyanov, Sergey

<120> Nucleic Acids Encoding Linked
Chromo/Fluorescent Domains and Methods for Using the Same

<130> CLON-094

<140> us 10/806,930

<141> 2004-03-22

<150> 09/976,673

<151> 2001-10-12

<150> 60/356,225

<151> 2002-02-11

<150> 60/383,336

<151> 2002-05-22

<150> PCT/US02/32560

<151> 2002-10-10

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 35 40 45
 Gly Ala Pro Leu Pro Phe Ala Phe Asp Ile Leu Ala Pro Cys Cys Glu
 50 55 60
 Tyr Gly Ser Arg Thr Phe Val His His Thr Ala Glu Ile Pro Asp Phe
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Gly Ser Arg Thr Phe Val His His Thr Ala Glu Ile Pro Asp Phe Phe
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Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr
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Tyr Arg Ser Lys Lys Ala Val Arg Ala Leu Thr Met Pro Gly Phe His
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Phe Thr Asp Ile Arg Leu Gln Met Leu Arg Lys Lys Lys Asp Glu Tyr
195          200          205
Phe Glu Leu Tyr Glu Ala Ser Val Ala Arg Tyr Ser Asp Leu Pro Glu
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Lys Ala Asn Arg Ser Pro Gly Met Ser Gly Leu Leu Lys Glu Ser Met
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His	Phe	Glu	Asp	His	Arg	Ile	Glu	Ile	Leu	Glu	Glu	Val	Glu	Lys	Gly
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Leu	Thr	Glu	Thr	Met	Pro	Phe	Arg	Thr	Thr	Ile	Glu	Gly	Thr	Val	Asn
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Phe	Ala	Phe	His	Ile	Leu	Ser	Thr	Ser	Cys	Met	Tyr	Gly	Ser	Lys	Ala
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Phe	Ile	Lys	Tyr	Val	Ser	Gly	Ile	Pro	Asp	Tyr	Phe	Lys	Gln	Ser	Leu
305					310					315					320
Pro	Glu	Gly	Phe	Thr	Trp	Glu	Arg	Thr	Thr	Thr	Tyr	Glu	Asp	Gly	Gly
				325					330					335	
Phe	Leu	Thr	Ala	His	Gln	Asp	Thr	Ser	Leu	Asp	Gly	Asp	Cys	Leu	Val
			340					345					350		
Tyr	Lys	Val	Lys	Ile	Leu	Gly	Asn	Asn	Phe	Pro	Ala	Asp	Gly	Pro	Val
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Met	Gln	Asn	Lys	Ala	Gly	Arg	Trp	Glu	Pro	Ser	Thr	Glu	Ile	Val	Tyr
		370				375					380				
Glu	Val	Asp	Gly	Val	Leu	Arg	Gly	Gln	Ser	Ser	Met	Ala	Leu	Glu	Cys
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Pro	Gly	Gly	Arg	His	Leu	Thr	Cys	His	Leu	His	Thr	Thr	Tyr	Arg	Ser
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35 40 45
Pro Leu Pro Phe Ala Phe His Ile Leu Ser Thr Ser Cys Met Tyr Gly
50 55 60
Ser Lys Ala Phe Ile Lys Tyr Val Ser Gly Ile Pro Asp Tyr Phe Lys
65 70 75 80
Gln Ser Leu Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Thr Tyr Glu
85 90 95
Asp Gly Gly Phe Leu Thr Ala His Gln Asp Thr Ser Leu Asp Gly Asp
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Phe	Glu	Asp	His	Arg	Ile	Glu	Ile	Leu	Glu	Glu	Val	Glu	Lys	Gly	Lys
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Cys	Tyr	Lys	Gln	Tyr	Glu	Ala	Ala	Val	Gly	Arg	Tyr	Cys	Asp	Ala	Ala
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Glu	Thr	Met	Pro	Phe	Arg	Thr	Thr	Ile	Glu	Gly	Thr	Val	Asn	Gly	His
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Tyr	Phe	Lys	Cys	Thr	Gly	Lys	Gly	Glu	Gly	Asn	Pro	Leu	Glu	Gly	Thr
			260					265					270		
Gln	Glu	Met	Lys	Ile	Glu	Val	Ile	Glu	Gly	Gly	Pro	Leu	Pro	Phe	Ala
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Lys	Tyr	Val	Ser	Gly	Ile	Pro	Asp	Tyr	Phe	Lys	Gln	Ser	Leu	Pro	Glu
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Gly	Phe	Thr	Trp	Glu	Arg	Thr	Thr	Thr	Tyr	Glu	Asp	Gly	Gly	Phe	Leu
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Thr	Ala	His	Gln	Asp	Thr	Ser	Leu	Asp	Gly	Asp	Cys	Leu	Val	Tyr	Lys
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Val	Lys	Ile	Leu	Gly	Asn	Asn	Phe	Pro	Ala	Asp	Gly	Pro	Val	Met	Gln
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Asn	Lys	Ala	Gly	Arg	Trp	Glu	Pro	Ser	Thr	Glu	Ile	Val	Tyr	Glu	Val
370						375					380				
Asp	Gly	Val	Leu	Arg	Gly	Gln	Ser	Leu	Met	Ala	Leu	Glu	Cys	Pro	Gly
385					390					395					400
Gly	Arg	His	Leu	Thr	Cys	His	Leu	His	Thr	Thr	Tyr	Arg	Ser	Lys	Lys
				405					410					415	
Pro	Ala	Ser	Ala	Leu	Lys	Met	Pro	Gly	Phe	His	Phe	Glu	Asp	His	Arg
			420					425					430		
Ile	Glu	Ile	Leu	Glu	Glu	Val	Glu	Lys	Gly	Lys	Cys	Tyr	Lys	Gln	Tyr
		435					440					445			
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